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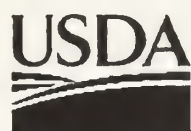
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Plant Variety Protection Office Official Journal

Volume 27, Number 3
July 1 – September 30, 1999



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PREFACE

The Plant Variety Protection Act (7 U.S.C. 2321 et seq.) authorizes the Secretary of Agriculture to publish an "Official Journal" to provide the public with information relating to the operations of the Plant Variety Protection Office. The statute also authorizes the Secretary to disseminate technological and other information that encourages innovation and progress in plant breeding.

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APPLICATIONS RECEIVED
JULY 1, 1999 TO SEPTEMBER 30, 1999

Applications for protection have been filed for the following varieties. Each application has been assigned an application number and will be examined to determine whether the variety is entitled to a certificate of protection. The seed of these varieties may be labeled "Unauthorized Propagation Prohibited - U.S. Variety Protection Applied For - PVPA 1994."

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF APPLICATION
ALFALFA				
9900409	EverGreen	(2)	09/09/1999	Forage Genetics, Inc.
9900410	54V54		09/13/1999	Pioneer Hi-Bred International, Inc.
9900411	53H81		09/13/1999	Pioneer Hi-Bred International, Inc.
BEAN, FIELD				
9900359	RedKanner	(2)	07/26/1999	Cornell University - Donald H. Wallace, Cornell University - Donald E. Halseth, Cornell University - W. Larry Hymes
BEAN, GARDEN				
9900433	Conquistador		08/06/1999	Seminis Vegetable Seeds, Inc.
9900434	Hercules		08/06/1999	Seminis Vegetable Seeds, Inc.
BLUEGRASS, KENTUCKY				
9900372	Freedom II		07/30/1999	J.R. Simplot Company dba JACKLIN SEED
9900408	Rambo		09/02/1999	J.R. Simplot Company dba JACKLIN SEED
CELERY				
9900413	Sweet 16		08/30/1999	Nunes Vegetables, Inc.
CORN, FIELD				
9900357	PH3GR		07/14/1999	Pioneer Hi-Bred International, Inc.
9900358	PH3GK		07/14/1999	Pioneer Hi-Bred International, Inc.
9900363	PH2VK		07/19/1999	Pioneer Hi-Bred International, Inc.
9900364	PH2VJ		07/19/1999	Pioneer Hi-Bred International, Inc.
9900365	PH224		07/19/1999	Pioneer Hi-Bred International, Inc.
9900369	GSC2		07/22/1999	Golden Seed Company, L.L.C
9900370	GSC1		07/22/1999	Golden Seed Company, L.L.C
9900371	GSC3		07/22/1999	Golden Seed Company, L.L.C
9900373	PH2GM		07/30/1999	Pioneer Hi-Bred International, Inc.

CORN, FIELD (continued)

9900374	PH2E4	07/30/1999	Pioneer Hi-Bred International, Inc.
9900375	PH1MR	07/30/1999	Pioneer Hi-Bred International, Inc.
9900376	PH1K2	07/30/1999	Pioneer Hi-Bred International, Inc.
9900379	PH2N0	08/06/1999	Pioneer Hi-Bred International, Inc.
9900380	PH3KP	08/06/1999	Pioneer Hi-Bred International, Inc.
9900381	PH3P0	08/06/1999	Pioneer Hi-Bred International, Inc.
9900382	PH2MW	08/06/1999	Pioneer Hi-Bred International, Inc.
9900383	PH226	08/06/1999	Pioneer Hi-Bred International, Inc.
9900384	PH1BB	08/06/1999	Pioneer Hi-Bred International, Inc.
9900385	PH2KN	08/06/1999	Pioneer Hi-Bred International, Inc.
9900405	NP213B	08/26/1999	Novartis Seeds, Inc.
9900415	PH2VE	09/07/1999	Pioneer Hi-Bred International, Inc.
9900416	PH4A4	09/07/1999	Pioneer Hi-Bred International, Inc.
9900417	PH1CP	09/07/1999	Pioneer Hi-Bred International, Inc.
9900418	PH2V7	09/07/1999	Pioneer Hi-Bred International, Inc.
9900421	PH1EM	09/10/1999	Pioneer Hi-Bred International, Inc.
9900422	PH1M8	09/10/1999	Pioneer Hi-Bred International, Inc.
9900423	PH1MD	09/10/1999	Pioneer Hi-Bred International, Inc.
9900424	PH3EV	09/10/1999	Pioneer Hi-Bred International, Inc.
9900425	PH4TF	09/10/1999	Pioneer Hi-Bred International, Inc.
9900426	PH9H3	09/10/1999	Pioneer Hi-Bred International, Inc.
9900427	NP2213	09/21/1999	Novartis Seeds, Inc.
9900432	PH1W0	09/24/1999	Pioneer Hi-Bred International, Inc.

COTTON

9900377	Sure-Grow 34B	07/27/1999	Sure-Grow Seed, Inc.
9900394	Tamot Luxor	08/25/1999	Texas Agricultural Experiment Station

FESCUE, RED

9900361	Badger	07/26/1999	Pure-Seed Testing, Inc.
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FESCUE, TALL

9900368	Millennium	07/27/1999	Turf Merchants, Inc.
9900388	Masterpiece	08/18/1999	Lebanon Seaboard Company
9900389	Rembrandt	08/18/1999	Lebanon Seaboard Company

(*) To be sold by variety name only as a class of certified seed. A number within parentheses indicates the number of generations of certified seed permitted beyond breeder's seed.
 < > Identifies temporary designations.

APPLICATIONS RECEIVED
JULY 1, 1999 TO SEPTEMBER 30, 1999

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF APPLICATION
FESCUE, TALL (continued)				
9900390	Picasso		08/18/1999	Lebanon Seaboard Company
9900399	Bonsai 2000		08/23/1999	Turf Merchants, Inc.
KIKUYU GRASS				
9900397	<AZ-1>		08/24/1999	Arizona Plant Breeders, Inc.
LETTUCE				
9900387	PX 644		08/11/1999	Progeny Advanced Genetics, Inc.
9900407	PX542		09/02/1999	Progeny Advanced Genetics, Inc.
ONION				
9900395	Marquesa		08/20/1999	Seminis Vegetable Seeds, Inc.
PEA				
9900406	<SL3056>		09/03/1999	Novartis Seeds, Inc.
9900429	<SP847-2 EP9009>		09/29/1999	Novartis Seeds, Inc.
9900430	<HP904-1204 FP2070>		09/29/1999	Novartis Seeds, Inc.
PEANUT				
9900419	VA 98R		09/08/1999	Virginia Tech Intellectual Properties, Inc.
POTATO, IRISH				
9900366	FL1879		07/19/1999	Recot, Inc.
9900367	FL1867		07/19/1999	Recot, Inc.
9900414	FABULA		08/18/1999	Hetteema B.V.
9900431	Argos		09/29/1999	Guindi Caithness
RICE				
9900396	Guadamar	(3)	08/17/1999	Hisparroz, S.A.
RYEGRASS, PERENNIAL				
9900352	<A7 White> <A7 7311> <LRF-4113>		07/13/1999	Agribiotech - Lofts Seed, Inc.

RYEGRASS, PERENNIAL (continued)				
9900360	Yatsugreen		07/23/1999	Ken Amano, Governor of Yamanashi Prefecture Masakazu Arimori, President of Nichino Ryokka Co., Ltd. Seed Research of Oregon, Inc. Lebanon Seaboard Company Lebanon Seaboard Company Lebanon Seaboard Company Turf Merchants, Inc.
9900362	SR 4330		07/13/1999	
9900391	Affirmed		08/18/1999	
9900392	Exakta		08/18/1999	
9900393	Churchill		08/18/1999	
9900420	Paragon		09/22/1999	
SOYBEAN				
9900351	7499		07/06/1999	Kentucky Agricultural Experiment Station
9900378	Prichard	(2)	08/04/1999	University of Georgia Research Foundation, Inc. (UGARF) and University of Florida Agricultural Experiment Station (UFAES)
THISTLE				
9900412	EarlyBird		09/10/1999	Glen A. Page
TOMATO				
9900353	NC 1y		07/14/1999	North Carolina Agricultural Research Service Dr. R.G. Gardner (breeder)
9900354	NC 2y		07/14/1999	North Carolina Agricultural Research Service Dr. R.G. Gardner (breeder)
TRITICALE				
9900400	105		08/30/1999	Resource Seeds, Inc.
9900401	111		08/30/1999	Resource Seeds, Inc.
WHEAT, COMMON				
9900386	Caledonia	(2)	08/12/1999	Cornell Research Foundation, Inc.
9900402	Bonus		08/30/1999	Resource Seeds, Inc.
9900403	Stander		08/30/1999	Resource Seeds, Inc.
9900404	Culver	(3)	08/30/1999	Board of Regents, University of Nebraska
9900428	25R18		09/24/1999	Pioneer Hi-Bred International, Inc.

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< > Identifies temporary designations.

APPLICATIONS AMENDED
JULY 1, 1999 TO SEPTEMBER 30, 1999

Information concerning the varieties below has been published previously in the "Official Journal's" list of applications received. During the examination process, the applicant requested this information be amended as indicated below.

APPL. NO.	VARIETY	CLASSES	APPLICATION DATE	NAME OF OWNER
BEAN, GARDEN				
9500119	Ferrari		04/03/1995	Gebroeders Bakker Zaadteelt en Zaadhandel B.V.
Name of owner changed from Bakker Brothers of Idaho, Inc. to Gebroeders Bakker Zaadteelt en Zaadhandel B.V.				
Variety with temporary designation <BB2117> named 'Ferrari'				
DAISY, ENGLISH				
9800005	Red Galaxy		10/07/1997	Sakata Seed Corporation
Variety with temporary designation <Galaxy Red> named 'Red Galaxy'				
9800006	Rose Galaxy		10/07/1997	Sakata Seed Corporation
Variety with temporary designation <Galaxy Rose> named 'Rose Galaxy'				
9800007	White Galaxy		10/07/1997	Sakata Seed Corporation
Variety with temporary designation <Galaxy White> named 'White Galaxy'				
LETTUCE				
9300287	RS 0156		08/13/1993	Seminis Vegetable Seeds, Inc.
Variety with temporary designation <RS 0156> named 'RS 0156'				
ZINNIA				
9800013	Profusion Orange		10/22/1997	Sakata Seed Corporation
Variety with temporary designation <Profusion Orange> named 'Profusion Orange'				
9800014	Profusion Cherry		10/22/1997	Sakata Seed Corporation
Variety with temporary designation <Profusion Rose> named 'Profusion Cherry'				

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< > Identifies temporary designations.

APPLICATIONS ABANDONED, WITHDRAWN, DENIED, OR INELIGIBLE
JULY 1, 1999 TO SEPTEMBER 30, 1999

Applications for the varieties listed below are no longer being considered for U.S. plant variety protection. Although propagation of these varieties is no longer prohibited by the U.S. Plant Variety Protection Act, varieties published in this list may possibly be protected under the Patent Act.

<u>KIND</u>	<u>APPLICATION NUMBER</u>	<u>VARIETY</u>
FESCUE, RED	9300042	Hector
FESCUE, RED	9300296	Bargena II
LETTUCE	9300167	Mojave
LETTUCE	9300169	Sonora
LETTUCE	9400179	Paradise
LETTUCE	9400237	<SLE4105>
LETTUCE	9400249	<SLE4106>
PAPAYA	9700063	Hawaiian King
PAPAYA	9700393	Hawaiian Queen
POTATO, IRISH	9500322	Quinta
POTATO, IRISH	9600302	Aziza
POTATO, IRISH	9600404	Cornado
POTATO, IRISH	9600405	Cosmos
POTATO, IRISH	9600406	Picasso
POTATO, IRISH	9600407	Romina
RYEGRASS, PERENNIAL	9200155	Baristra

< > Identifies temporary designations.

CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM
JULY 1, 1999 TO SEPTEMBER 30, 1999

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
ALFALFA					
9500143	DK127	Y		07/30/1999	DEKALB Genetics Corporation
'DK127' is most similar to 'MP2000'; however, 'DK127' is resistant (36%) to <u>Fusarium oxysporum</u> f. sp. <u>medicaginis</u> , which causes a wilt, whereas 'MP2000' is highly resistant (68%) to that pathogen.					
9600215	WL 326 GZ	Y		07/30/1999	W-L Research, Inc.
'WL 326 GZ' is most similar to 'Cut 'N' Graze'; however, 'WL 326 GZ' is highly resistant (55%) to <u>Verticillium albo-atrum</u> , the causative organism of Verticillium wilt, whereas 'Cut 'N' Graze' has low resistance (11%) to that pathogen. Also, 'WL 326 GZ' has 99% purple flowers and 1% variegated flowers, whereas 'Cut 'N' Graze' has 88% purple flowers and 12% variegated flowers.					
9600332	5681	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'5681' is most similar to '5683'; however, '5681' differs from '5683' in anthracnose (<u>Colletotrichum trifolii</u>) resistance (74 vs. 0%, respectively).					
9700278	DK140	Y		07/30/1999	DEKALB Genetics Corporation
'DK140' is most similar to 'DK133'; however, 'DK140' is highly resistant (55%) to <u>Aphanomyces euteiches</u> , which causes a root rot, whereas 'DK133' is resistant (45%) to that pathogen.					
ARTICHOKE					
9700354	D. G. - 101	Y		09/30/1999	Sulton Seed Research Corporation
'D. G. - 101' is most similar to 'Imperial Star'. 'D. G. - 101' differs from 'Imperial Star' in maturity (169 vs 204 days) and bud color (dull medium green (Munsell 5GY 5/6) vs glossy bronze green (Munsell 2.5GY 6/6)).					
BEAN, FIELD					
9400104	Arapaho	(3)		09/30/1999	Colorado State University
'Arapaho' is most similar to 'RS 101'; however, 'Arapaho' has larger seed weight than 'RS 101'. 1428 vs 1616 seeds/lb. respectively.					
9500063	Huron			09/30/1999	Michigan State University
'Huron' is most similar to 'C-20'; however, 'Huron' possesses the <u>Co-2 (Are)</u> gene for resistance to races alpha, epsilon-65, and 7 of <u>Colletotrichum lindemuthianum</u> (anthracnose), whereas 'C-20' does not possess the <u>Co-2 (Are)</u> gene and is susceptible.					

BEAN, FIELD (continued)

9500136 Apache Y (2) 07/30/1999 Idaho Seed Bean Company
 'Apache' is most similar to 'Fiesta Pinto' however, 'Apache' is resistant to Uromyces appendiculatus (bean rust) races 40 through 70, whereas 'Fiesta Pinto' is susceptible to races 40 through 70.

9600288 Newport Y (2) 07/30/1999 Michigan State University
 'Newport' is most similar to 'Midland'; however, 'Newport' possesses the Co-1 (A) and Co-2 (Are) genes, for resistance to races alpha, beta, delta, gamma, alpha-brazil, 7, and 73 of Colletotrichum lindemuthianum (anthracnose), whereas 'Midland' does not possess the Co-1 (A) or Co-2 (Are) genes and is susceptible.

BEAN, GARDEN

9500133 DMC 04-02 Y 07/30/1999 Del Monte Corporation
 'DMC 04-02' is most similar to 'DMC 04-01'; however, 'DMC 04-02' produces no more than 2 flowers per node, whereas 'DMC 04-01' produces 2 to 3 flowers per node.

9500140 Soleil Y 07/30/1999 Vilmorin, S.A.
 'Soleil' is most similar to 'Impact'; however, 'Soleil' has a higher percentage of 6 to 8 mm sieve pods than 'Impact', 85 vs 44%, respectively.

9500189 Nugget Y 07/30/1999 Harris Moran Seed Company
 'Nugget' is most similar to 'Golden Rod'; however, 'Nugget' has a shorter average pod spur length than 'Golden Rod', 12 vs 15 mm, respectively.

BLUEGRASS, KENTUCKY

9500090 Preakness Y 09/30/1999 Lofts Seed Company, Inc.
 'Preakness' is most similar to 'Livingston'; however, 'Preakness' has a shorter mature plant height (60 vs 77 cm) than 'Livingston'.

BROCCOLI

9800270 R&D-HTF1 Y 07/30/1999 R & D AG, Inc.
 'R&D-HTF1' is most similar to 'Marathon'. 'R&D-HTF1' differs from 'Marathon' in head height (45 vs 56 cm). 'R&D-HTF1' is an inbred line and 'Marathon' is an F1 hybrid.

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CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM
JULY 1, 1999 TO SEPTEMBER 30, 1999

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
CHICKPEA					
9900290	Stan	Y		07/30/1999	Conagra Inc.
'Stan' differs from all other released varieties by its combination of compound leaves, large plants with distinctive growth habit, large, light-colored seed, and resistance to <i>Ascochyta blight</i> , which causes a blight. 'Stan' is different from 'HB-14' in having a random-spreading branching pattern, whereas 'HB-14' has a characteristic V-shape.					
CORN, FIELD					
9500221	PHWT1	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'PHWT1' is most similar to 'PHR62'. 'PHWT1' differs from 'PHR62' in silk maturity (1400 vs 1475 heat units) and ear height (67 vs 87 cm).					
9500223	PH54B	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'PH54B' is most similar to 'PHGW7'. 'PH54B' differs from 'PHGW7' in husk extension length (11 vs 87 mm) and tassel length (46 vs 55 cm).					
9600164	PH18E	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'PH18E' is most similar to 'PHK46'. 'PH18E' differs from 'PHK46' in number tassel branches (17 vs 6) and anther color (yellow (Munsell 2.5Y 7/6) vs green (Munsell 7.5Y 8.5/8)).					
9600166	PH20A	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'PH20A' is most similar to 'PHKV1'. 'PH20A' differs from 'PHKV1' in cob color (red (Munsell 2.5YR 4/8) vs white (Munsell 2.5Y 9/2)) and percent round kernels (51 vs 22%).					
9600167	PH25A	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'PH25A' is most similar to 'PHTP9'. 'PH25A' differs from 'PHTP9' in anther color (yellow (Munsell 10Y 8.5/6) vs pink (Munsell 5R 4/6)) and silk color (green (Munsell 2.5GY 8/6) vs pink (5R 6/6)).					
9600170	PH41E	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'PH41E' is most similar to 'PHP55'. 'PH41E' differs from 'PHP55' in anther color (red (Munsell 10RP 4/8) vs yellow (Munsell 5Y 8.5/8)) and number of tassel branches (5 vs 13).					
9600171	PH44A	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'PH44A' is most similar to 'PHR61'. 'PH44A' differs from 'PHR61' in ear length (14 vs 20 cm) and shank length (13 vs 19 cm).					

CORN, FIELD (continued)

9600172	PH47A	Y	07/30/1999	Pioneer Hi-Bred International, Inc.
'PH47A' is most similar to 'PHKM5'. 'PH47A' differs from 'PHKM5' in cob color (red (Munsell 2.5YR 5/6) vs white (Munsell 5Y 9/1)) and anther color (yellow (Munsell 7.5Y 8.5/8) vs purple (Munsell 10RP 3/6)).				
9600173	PH63A	Y	07/30/1999	Pioneer Hi-8red International, Inc.
'PH63A' is most similar to 'PHH84'. 'PH63A' differs from 'PHH84' in anther color (yellow (Munsell 7.5Y 8.5/6) vs pink (Munsell 5R 6/6)) and weight per 100 kernels (30.3 vs 36.8 gm).				
9600174	PH638	Y	07/30/1999	Pioneer Hi-Bred International, Inc.
'PH638' is most similar to 'PHP38'. 'PH638' differs from 'PHP38' in anther color (yellow (Munsell 7.5Y 8.5/8) vs red (2.5R 4/6)) and percent round kernels (12 vs 58 %).				
9600175	PH67A	Y	07/30/1999	Pioneer Hi-8red International, Inc.
'PH67A' is most similar to 'PHR03'. 'PH67A' differs from 'PHR03' in cob color (white (Munsell 2.5Y 9/2) vs red (Munsell 10R 4/6)) and number of tassel branches (6 vs 11).				
9600176	PH808	Y	07/30/1999	Pioneer Hi-8red International, Inc.
'PH808' is most similar to 'PHP38'. 'PH808' differs from 'PHP38' in cob color (red (Munsell 2.5YR 5/6) vs white (Munsell 2.5Y 9/2)) and percent round kernels (20 vs 53 %).				
9600177	PHFW4	Y	07/30/1999	Pioneer Hi-8red International, Inc.
'PHFW4' is most similar to 'PHK05'. 'PHFW4' differs from 'PHK05' in cob color (red (Munsell 10R 4/6) vs white (Munsell 2.5Y 8.5/2)) and silk color (yellow (Munsell 7.5Y 8/6) vs pink (Munsell 7.5R 6/6)).				
9600178	PHND1	Y	07/30/1999	Pioneer Hi-Bred International, Inc.
'PHND1' is most similar to 'PHR03'. 'PHND1' differs from 'PHR03' in silk color (salmon (Munsell 5Y 7/6) vs pink (Munsell 5R 6/6)) and cob diameter (28 vs 24 mm).				
9600200	PH56C	Y	07/30/1999	Pioneer Hi-8red International, Inc.
'PH56C' is most similar to 'PHR03'. 'PH56C' differs from 'PHR03' in tassel peduncle length (25 vs 17 cm).				
9600202	PH388	Y	07/30/1999	Pioneer Hi-Bred International, Inc.
'PH388' is most similar to 'PHN46'. 'PH388' differs from 'PHN46' in anther color (yellow (Munsell 10Y 8.5/6) vs pink (Munsell 2.5YR 5/6)) and number of tassel branches (10 vs 6).				

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CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM
JULY 1, 1999 TO SEPTEMBER 30, 1999

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
CORN, FIELD (continued)					
9600203	PH37C	Y		07/30/1999	Pioneer Hi-8red International, Inc.
	'PH37C' is most similar to 'PHP38'. 'PH37C' differs from 'PHP38' in cob color (red (Munsell 10R 4/6) vs white (Munsell 2.5Y 9/2)) and percent round kernels (24 vs 56 %). 'PH37C' differs from 'PH808' in plant height (192 vs 241 cm) and ear height (61 vs 93 cm).				
9600204	PH24E	Y		07/30/1999	Pioneer Hi-8red International, Inc.
	'PH24E' is most similar to 'PHJ90'. 'PH24E' differs from 'PHJ90' in anther color (yellow (Munsell 10Y 8/8) vs red (Munsell 2.5R 4/8)) and silk color (red (Munsell 10RP 4/6) vs pink (Munsell 7.5R 7/6)).				
FESCUE, RED					
9400053	Shademaster II	Y		07/30/1999	Pure-Seed Testing, Inc.
	'Shademaster II' is most similar to 'Shademaster'; however, 'Shademaster II' has a 50% heading date 8 days later; shorter plant height (83 vs 89 cm); and shorter flag leaf height (29 vs 35 cm) than Shademaster.				
FESCUE, TALL					
9300092	Lancer			07/30/1999	Pickseed West, Inc.
	'Lancer' is most similar to 'Crossfire'; however, 'Lancer' has a shorter mature plant height (107 vs 118 cm) and shorter flag leaf length (12 vs 15 cm) than 'Crossfire'.				
9300102	Excalibur	Y		07/30/1999	Forbes Seed and Grain, Inc.
	'Excalibur' is most similar to '8onsai'; however, 'Excalibur' has a shorter panicle length (16 vs 18 cm) and flowers 7 to 8 days earlier than '8onsai'.				
9300118	Kitty Hawk			07/30/1999	Smith Seed Services
	'Kitty Hawk' is most similar to 'Phoenix' and '8onsai'. 'Kitty Hawk' has a shorter mature plant height (96 vs 112 cm); internode length (16 vs 20 cm); panicle length (18 vs 22 cm); and flag leaf length (10 vs 12 cm) than 'Phoenix'. 'Kitty Hawk' has a taller mature plant height (96 vs 85 cm); internode length (15 vs 17 cm) and flag leaf width (4 vs 3 mm) than '8onsai'.				
9300200	Rebel 3D	Y		09/30/1999	Lofts Seed Company, Inc.
	'Rebel 3D' is most similar to 'Rebel Jr.'; however, 'Rebel 3D' has a wider tiller leaf (6.8 vs 6.0 mm) than 'Rebel Jr.'.				

FESCUE, TALL (continued)

9400176 Jaguar 3 Y 09/30/1999 Pure-Seed Testing, Inc.
'Jaguar 3' is most similar to 'Jaguar II'; however, 'Jaguar 3' has a shorter mature plant height (121 vs 130 cm) than 'Jaguar II'. 'Jaguar 3' has a narrower panicle (narrow-tapering vs ovate) and less erect panicle (semi-erect vs erect) than 'Jaguar II'.

LETTUCE

9300287 RS 0156 Y 09/30/1999 Seminis Vegetable Seeds, Inc.
'RS 0156' is most similar to 'Lollo Bionda' and 'Parsberg'; however, 'RS 0156' has a deep incision depth (deepest penetration of the leaf margin) and deep indentation (finest divisions of the leaf margin), whereas 'Lollo Bionda' and 'Parsberg' have moderate incision depth and shallow indentation.

9400181 Del Oro Y 09/30/1999 Seminis Vegetable Seeds, Inc.
'Del Oro' is most similar to 'Red Coach 74'; however, 'Del Oro' has a higher tolerance to lettuce big vein than 'Red Coach 74'. 6.5 vs 15.0 and 28.0 vs 41.0, respectively, on a scale of 0-50. 0=all 50 plants show vein clearing absent and 50=all 50 plants show vein clearing present.

9500008 Simpson Elite 09/30/1999 Seminis Vegetable Seeds, Inc.
'Simpson Elite' is most similar to 'Slobolt'; however, 'Simpson Elite' is later to bolt than 'Slobolt', 92 vs 77 and 90 vs 80 days, respectively; as measured by a stem length of 15 cm.

9500051 Diamond 07/30/1999 Coastal Seeds, Inc.
'Diamond' is most similar to 'Alpha DMR'; however, 'Diamond' has a brown seed color, whereas 'Alpha DMR' has a black seed color.

9500115 Seeker 07/30/1999 Seminis Vegetable Seeds, Inc.
'Seeker' is most similar to 'Desert Queen'; however, 'Seeker' has a medium green leaf color, whereas 'Desert Queen' has a yellowish green leaf, 13BA vs 146B RHS Colour Chart, respectively.

9500116 Bronco Y 09/30/1999 Coastal Seeds, Inc.
'Bronco' is most similar to 'Alpha DMR'; however, 'Bronco' is resistant to strain CA1 of Rhizomonas suberifaciens (corky root rot), whereas 'Alpha DMR' is susceptible.

9500183 Boston Beauty Y 07/30/1999 Seminis Vegetable Seeds, Inc.
'Boston Beauty' is most similar to 'Condor'; however, 'Boston Beauty' has a dark green leaf color, whereas, 'Condor' has a yellowish green leaf color, 137A vs 146A RHS Colour Chart, respectively.

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LETTUCE (continued)					
9500240	Early Queen	Y		07/30/1999	Paragon Seed, Inc.
	'Early Queen' is most similar to 'Mid Queen' and 'Valley Queen'; however, 'Early Queen' has a darker green leaf color than 'Mid Queen'. 137A vs 137C RHS Colour Chart, respectively. Also, 'Early Queen' has a smaller frame diameter than 'Valley Queen'. 50 vs 53 cm, respectively.				
9500244	Green Vision	Y		09/30/1999	Central Valley Seeds, Inc.
	'Green Vision' is most similar to 'Genecorp Green'; however, 'Green Vision' has a darker green leaf color than 'Genecorp Green' 5GY 4/4 to 4/6 vs 5GY 5/6 to 5/8 Munsell Color Chart, respectively.				
9500253	Mid Queen	Y		07/30/1999	Paragon Seed, Inc.
	'Mid Queen' is most similar to 'Early Queen' and 'Valley Queen'; however, 'Mid Queen' has a lighter green leaf color than 'Early Queen'. 137C vs 137A RHS Colour Chart, respectively. Also, 'Mid Queen' has a smaller frame size than 'Valley Queen'. 51 vs 53 cm, respectively.				
9600022	Sweet Gem	Y		09/30/1999	Seminis Vegetable Seeds, Inc.
	'Sweet Gem' is most similar to 'Little Gem'; however, 'Sweet Gem' has a darker green leaf color than 'Little Gem'. 137B vs 146A RHS Colour Chart, respectively.				
PEA, FIELD					
9500224	Pro 2100	Y		07/30/1999	ProGene, L.C.
	'Pro 2100' is most similar to 'Columbian'; however, 'Pro 2100' produces the first flower at the 14 node, whereas 'Columbian' produces the first flower at the 8 to 10 node.				
PEPPER					
9400086	R & C Cayenne			07/30/1999	Seminis Vegetable Seeds, Inc.
	'R & C Cayenne' is most similar to 'Cayenne Large Red Thick'. 'R & C Cayenne' differs from 'Cayenne Large Red Thick' in maturity from transplants to red stage (105 vs 75 days), plant height (81 vs 56 cm), reaction to Tobacco Etch Virus (resistant vs susceptible), and reaction to Potato Y Virus (resistant vs susceptible).				
9500053	Taurus	Y		07/30/1999	Novartis Seeds, Inc.
	'Taurus' is most similar to 'Jupiter'. 'Taurus' differs from 'Jupiter' in presence of the "anthocyaninless" gene (present vs absent), anther color (yellow vs purple) and reaction to Tobacco Etch Virus (resistant vs susceptible).				

PEPPER (continued)

9600205 DMC 58-218 Y 07/30/1999 Del Monte Corporation
'DMC 58-218' is most similar to 'Mitla' and 'Jalapeno M'. 'DMC 58-218' differs from 'Mitla' in maturity from direct seeding until mature green stage (159 vs 145 days) and stem pubescence (moderate vs absent). 'DMC 58-218' differs from 'Jalapeno M' in plant height (69 vs 81 cm) and stem pubescence (moderate vs absent).

9800053 Okala Y 09/30/1999 Oklahoma Agricultural Experiment Station
'Okala' is most similar to 'Bahamian'. 'Okala' differs from 'Bahamian' in pungency (297,000 vs 104,625 Scoville units).

PUMPKIN

9800096 Wee-B-Little Y 09/30/1999 Novartis Seeds, Inc.
'Wee-B-Little' is most similar to 'Jack Be Little'. 'Wee-B-Little' differs from 'Jack Be Little' in internode length (24 vs 44 mm) and fruit length (74 vs 48 mm).

RADISH

9400166 Red Silk Y 07/30/1999 Harris Moran Seed Company
'Red Silk' is most similar to 'Red King'. 'Red Silk' differs from 'Red King' in root quality (<1% vs 25% split roots) and root shoulder quality (smooth vs 30% rough).

RICE

9600318 SURPASS Y 09/30/1999 Western Rice Research
Busch Agricultural Resources, Inc.
'Surpass' is most similar to 'M-202'; however, 'Surpass' is short grained, awned, and has pubescent leaves and panicles; whereas, 'M-202' is medium grained, awnless, and has glabrous leaves and panicles.

9700052 L-204 Y (3) 9/30/1999 California Cooperative Rice Research Foundation, Inc.
'L-204' is most similar to 'L-203'; however, 'L-204' has a light purple stigma and a brown apiculus at maturity, whereas 'L-203' has a white stigma and a red apiculus at maturity.

RYEGRASS, ANNUAL

9400280 Grazer Y 07/30/1999 USDA-ARS
'Grazer' is most similar to 'Common'. 'Florida 80' and 'Gulf'. 'Grazer' has more plants with leaf sheath anthocyanin (68 vs 35%) than 'Common'. 'Grazer' has a semi-erect growth habit at boot whereas 'Florida 80' has an erect growth habit. 'Grazer' has a greater number of plants with yellow anthers (100 vs 80%) and a greater winter survival (76 vs 4%) than 'Gulf'.

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RYEGRASS, PERENNIAL 9000224	Statesman			07/30/1999	Smith Seed Services
	'Statesman' is most similar to 'Pennfine' and 'Birdie II'; however, 'Statesman' has a shorter mature plant height than 'Pennfine' (56 vs 80 cm) and 'Birdie II' (56 vs 71 cm). 'Statesman' has a shorter spike length than 'Pennfine' (14 vs 22 cm) and 'Birdie II' (14 vs 18 cm); and a shorter flag leaf length (14 vs 17 cm) than 'Pennfine'. 'Statesman' is more resistant to stem rust than 'Pennfine' (3.0 vs 7.0; 1-9 scale, 9=most disease) and 'Birdie II' (3.0 vs 4.8).				
9200211	Repell II	Y		09/30/1999	AgriBioTech, Inc.
	'Repell II' is most similar to 'Prelude II'; however, 'Repell II' has a shorter spike length (20 vs 22 cm) and a lighter spike weight (0.28 vs 0.43 gm) than 'Prelude II'.				
9300299	Morningstar			07/30/1999	Pickseed West, Inc.
	'Morningstar' is most similar to 'Pinnacle'; however, 'Morningstar' has a spikelet length much longer than the outer glume whereas 'Pinnacle' has a spikelet length nearly equal to the outer glume.				
9300311	Buccaneer			07/30/1999	John R. Koos and Sons
	'Buccaneer' is most similar to 'Gettysburg'; however, 'Buccaneer' has a taller mature plant height (64 vs 54 cm) than 'Gettysburg'.				
9300312	Twister			07/30/1999	John R. Koos and Sons
	'Twister' is most similar to 'Sherwood'; however, 'Twister' has a shorter mature plant height (61 vs 76 cm) and flag leaf (12 vs 14 cm) than 'Sherwood'. 'Twister' is more resistant to stem rust (5.0 vs 3.0; 1-9 scale; 9=most resistant) than 'Sherwood'.				
9400024	SR 4300			07/30/1999	Seed Research of Oregon, Inc.
	'SR 4300' is most similar to 'Elka' and 'SR 4200'; however, 'SR 4300' has a 50% heading date 14 days earlier than 'Elka' and 7 days later than 'SR 4200'. 'SR 4300' has a 50% anthesis date 8 days later than 'SR 4200'.				
9400154	Cutter			07/30/1999	Pickseed West, Inc.
	'Cutter' is most similar to 'Palmer II'; however, 'Cutter' has longer glumes (8.9 vs 7.7 mm) than 'Palmer II'.				

RYEGRASS, PERENNIAL (continued)

9500054	Nobility	07/30/1999	Ampac Seed Company
'Nobility' is most similar to 'Gettysburg' and 'Sherwood'. 'Nobility' has a taller mature plant height (88 vs 54 cm), longer spike length (24 vs 13 cm), longer flag leaf (16 vs 12 cm), and narrower flag leaf (2.8 vs 3.5 mm) than 'Gettysburg'. 'Nobility' has a taller mature plant height (88 vs 76 cm), longer spike length (24 vs 17 cm), and narrower flag leaf (2.8 vs 3.2 mm) than 'Sherwood'.			
9500159	Wind Star	Y	07/30/1999 Pure-Seed Testing, Inc.
'Wind Star' is most similar to 'Prizm'; however, 'Wind Star' has a taller mature plant height (84 vs 78 cm) than 'Prizm'.			
9600005	2CB	Y	07/30/1999 Pure-Seed Testing, Inc.
'2CB' is most similar to 'Citation II'; however, '2CB' has a higher flag leaf, measured from the crown to the flag leaf collar (37 vs 28 cm) than 'Citation II'.			
9600067	Statesman II	Y	07/30/1999 Smith Seed Services
'Statesman II' is most similar to 'Statesman' and 'Pinnacle'. 'Statesman II' has a shorter mature plant height (58 vs 68 cm) and flag leaf length (13 vs 15 cm) than 'Statesman'. 'Statesman II' is more resistant to stem rust (6.0 vs 3.0; 1-9 scale; 9=most resistant) than 'Pinnacle'.			

SOYBEAN

9600056	9254	Y	07/30/1999 Pioneer Hi-Bred International, Inc.
'9254' is most similar to '9273'; however, the seeds of '9254' are significantly smaller than the seeds of '9273' (3129 seeds/lb vs 2872 seeds/lb respectively).			
9600057	9255	Y	07/30/1999 Pioneer Hi-Bred International, Inc.
'9255' is most similar to the varieties 'DSR-151', 'DPL675', 'FFR 646', 'F3770', 'H5070', 'S33-32', 'ST1590', 'ST2660', and 'CX314'; however, '9255' is not resistant to races 3 and 14 of <i>Heterodera glycines</i> Ichinohe (Soybean Cyst Nematode), is a mid-maturity group II variety, and does not carry any alleles for, or express any resistance to, race 1 of <i>Phytophthora megasperma</i> f.sp. <i>glycinea</i> . 'FFR 646' is resistant to races 3 and 14 of <i>H. glycines</i> , 'S33-32' carries the Rps3 allele for resistance to <i>P. megasperma</i> f.sp. <i>glycinea</i> , 'ST1590' is a late maturity group I to early maturity group II variety, and 'CX314' is an early maturity group III variety.			

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SOYBEAN (continued)					
9600065	9611	Y		07/30/1999	Pioneer Hi-Bred International, Inc.
'9611' is most similar to 'FFR 583', 'Delta King 5850', 'Hartz 5164', 'Hartz 6200', 'Terra-Vig 6253', 'Lyon', 'TN 6-90', '9592', and '9593'; however, '9611' is susceptible to race 3 of <i>Heterodera glycines</i> Ichinohe (Soybean Cyst Nematode), and is resistant to <i>Melodogyne incognita</i> (Kofoid and White) Chitwood (Southern Root Knot Nematode), whereas '9592' is susceptible to <i>M. incognita</i> , and 'Delta King 5850', 'Hartz 5164', 'Hartz 6200', 'Terra-Vig 6253', 'Lyon', 'TN 6-90', and '9593' are resistant to race 3 of <i>H. glycines</i> . '9611' lodges significantly more than 'FFR 583'.					
9600073	A4922	Y		07/30/1999	Asgrow Seed Company
'A4922' is most similar to 'A4715'; however, 'A4922' has the electrophoretic seed protein band type A, whereas 'A4715' has the electrophoretic seed protein band type 8.					
9600143	Hartz Variety H 6255	Y		07/30/1999	Jacob Hartz Seed Company, Inc.
'Hartz Variety H 6255' is most similar to 'Young'; however, 'Hartz Variety H 6255' has purple flowers, whereas 'Young' has white flowers.					
9600151	Dillon	Y	(2)	09/30/1999	South Carolina Agricultural Experiment Station
'Dillon' is most similar to 'Hagood'; however, 'Dillon' has purple flowers and is susceptible to race 3 of Soybean Cyst Nematode, (<i>Heterodera glycines</i> Ichinohe), whereas 'Hagood' has white flowers and is resistant to race 3 of Soybean Cyst Nematode.					
9600329	Wicomico	Y	(3)	07/30/1999	University of Maryland
'Wicomico' is most similar to 'Hartwig' and 'Manokin'; however, 'Wicomico' has a light purple hypocotyl color, purple flowers, and a low seed protein peroxidase activity. 'Hartwig' has a green hypocotyl color, white flowers and a high seed protein peroxidase activity. 'Manokin' has a green hypocotyl color with a bronze band and white flowers.					

SOYBEAN (continued)

9600376	9552	Y	07/30/1999	Pioneer Hi-Bred International, Inc.
'9552' is most similar to 'A5403', 'A5545', 'DP 415', 'Epps', 'FFR 542', 'FFR 563', and 'Hartz 5545'; however, '9552' has buff hila, purple flowers, resistance to races 1-3 of <i>Phytophthora megasperma</i> Drechs. f. sp. <i>glycinea</i> Kuan & Erwin (<i>Phytophthora</i>), but no resistance to the Soybean Mosaic Virus, whereas 'A5403', 'A5545', 'DP 415', 'FFR 542', and 'Hartz 5545' have imperfect black hila and are not resistant to races 1-3 of <i>Phytophthora</i> . 'Epps' and 'FFR 563' have imperfect black hila, and 'Epps' is resistant to the Soybean Mosaic Virus.				
9700302	AG2301	Y	07/30/1999	Asgrow Seed Company
'AG2301' is most similar to the varieties 'A2242' and 'A2396'; however, 'AG2301' has seeds with black hila and is tolerant to glyphosate herbicides by virtue of the combined activity of the C - terminal 5-enolpyruvylshikimate-3-phosphate synthase gene from <i>Agrobacterium</i> sp., the Petunia 5-enolpyruvylshikimate-3-phosphate synthase chloroplast transit peptide, and the Cauliflower Mosaic Virus 35S promoter with the duplicated enhancer region, whereas 'A2242' has seeds with gray hila and is not tolerant to glyphosate. Similarly, 'A2396' has seeds with imperfect black hila and is not tolerant to glyphosate.				
9700303	AG3002	Y	07/30/1999	Asgrow Seed Company
'AG3002' is most similar to the varieties 'AG3001', 'A2722' and 'A2833'; however, 'AG3002' has seeds with black hila, carries the Rps1k allele for resistance to <i>Phytophthora megasperma</i> Drechs. f. sp. <i>glycinea</i> Kuan & Erwin (<i>Phytophthora</i>), and is tolerant to glyphosate herbicides by virtue of the combined activity of the C - terminal 5-enolpyruvylshikimate-3-phosphate synthase gene from an <i>Agrobacterium</i> sp., the Petunia 5-enolpyruvylshikimate-3-phosphate synthase chloroplast transit peptide, and the Cauliflower Mosaic Virus 35S promoter with the duplicated enhancer region, whereas 'AG3001' has seeds with imperfect black hila and carries no major gene for resistance to <i>Phytophthora</i> . 'A2722' and 'A2833' have no tolerance to glyphosate.				
9700311	AG2101	Y	07/30/1999	Asgrow Seed Company
'AG2101' is most similar to the varieties 'A1923', and 'A1900'; however, 'AG2101' has tan pod walls, and is tolerant to glyphosate herbicides by virtue of the combined activity of the C - terminal 5-enolpyruvylshikimate-3-phosphate synthase gene from <i>Agrobacterium</i> sp., the Petunia 5-enolpyruvylshikimate-3-phosphate synthase chloroplast transit peptide, and the Cauliflower Mosaic Virus 35S promoter with the duplicated enhancer region, whereas 'A1923' and 'A1900' have no tolerance to glyphosate, and 'A1900' has brown pod walls.				
9700312	AG1901	Y	07/30/1999	Asgrow Seed Company
'AG1901' is most similar to the varieties 'A1923', 'A1900', and 'A2396'; however, 'AG1901' has brown pod walls, and is tolerant to glyphosate herbicides by virtue of the combined activity of the C - terminal 5-enolpyruvylshikimate-3-phosphate synthase gene from <i>Agrobacterium</i> sp., the Petunia 5-enolpyruvylshikimate-3-phosphate synthase chloroplast transit peptide, and the Cauliflower Mosaic Virus 35S promoter with the duplicated enhancer region, whereas 'A1923', 'A1900', and 'A2396' have no tolerance to glyphosate, and 'A1923' has tan pod walls.				

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SOYBEAN (continued)					
9700396	Musen	Y	(2)	07/30/1999	South Carolina Agricultural Experiment Station
'Musen' is most similar to 'Brim'; however, 'Musen' has tan pod walls, and is resistant to races 3 and 14 of <i>Heterodera glycines</i> Ichinohe (Soybean Cyst Nematode) and <i>Diaporthe phaseolorum</i> (Cke. & Ell.) Sacc. var. <i>caulivora</i> Athow & Caldwell (Stem Canker), whereas 'Brim' has brown pod walls, and is susceptible to races 3 and 14 of Soybean Cyst Nematode and Stem Canker. In addition, 'Musen' averages 5 days later in maturity than 'Brim'.					
TOMATO					
9300160	NC EBR-4			07/30/1999	North Carolina Agriculture Research Service
'NC EBR-4' is most similar to 'Piedmont'; however, 'NC EBR-4' is more resistant than 'Piedmont' to stem lesions caused by <i>Alternaria solani</i> (early blight), 2.0 vs 4.4 and 1.5 vs 4.7, respectively, on a scale of 1-5, 1 having pinpoint lesions and 5 having 4 mm lesions.					
9300162	NC 109			07/30/1999	North Carolina Agriculture Research Service
'NC 109' is most similar to 'NC 50-7'; however, 'NC 109' has a very small blossom scar on the fruit and a constriction at the base of a flower style, whereas 'NC 50-7' has a large blossom scar and lacks this constriction.					
9700237	KGM 963	Y		09/30/1999	Kagome Kabushiki Kaisha
'KGM 963' is most similar to 'Kagome 77' and 'Red Kagome 82'. However, 'KGM 963' has a jointless pedicel, whereas 'Kagome 77' has a jointed pedicel. Also, 'KGM 963' has a higher average fruit lycopene content than 'Kagome 77' (11.9 vs 8.1 mg/100 g) and 'Red Kagome 82' (11.9 vs 9.5 mg/100 g).					
VINCA					
9400246	Pacifica Red	Y		07/30/1999	Waller Flowerseed Company
'Pacifica Red' is the first red cultivar. In comparison to 'Tropicana Rose', the corolla color of 'Pacifica Red' is red (RHS 57B) whereas the corolla color of 'Tropicana Rose' is rose (RHS 66B). The orifice color of 'Pacifica Red' is red (RHS 57A) but that of 'Tropicana Rose' is yellow (RHS 4A).					
9400248	Pacifica Punch	Y		07/30/1999	Waller Flowerseed Company
'Pacifica Punch' is most similar to 'Tropicana Rose'. The corolla color of 'Pacifica Punch' is bright rose (RHS 66C) whereas the corolla color of 'Tropicana Rose' is rose (RHS 66B). The orifice color of 'Pacifica Punch' is rose (RHS 66B) but that of 'Tropicana Rose' is yellow (RHS 4A).					

VINCA (continued)

9600235	Heat Wave Grape	Y	07/30/1999	John Bodger & Sons Co.
'Heat Wave Grape' is most similar to 'Grape Cooler'. 'Heat Wave Grape' differs from 'Grape Cooler' in maturity from planting to first flower (52 vs 58 days) and flower petal color (red purple (RHS 74B) vs light purple (RHS 78B)).				
9600236	Heat Wave Orchid	Y	07/30/1999	John Bodger & Sons Co.
'Heat Wave Orchid' is most similar to 'Orchid Cooler'. 'Heat Wave Orchid' differs from 'Orchid Cooler' in maturity from planting to first flower (52 vs 58 days) and leaf length (32 vs 41 mm).				
9600237	Heat Wave Peppermint	Y	07/30/1999	John Bodger & Sons Co.
'Heat Wave Peppermint' is most similar to 'Peppermint Cooler'. 'Heat Wave Peppermint' differs from 'Peppermint Cooler' in maturity from planting to first flower (51 vs 58 days) and leaf length (38 vs 47 mm).				
9600238	Heat Wave Pink	Y	07/30/1999	John Bodger & Sons Co.
'Heat Wave Pink' is most similar to 'Icy Pink Cooler'. 'Heat Wave Pink' differs from 'Icy Pink Cooler' in maturity from planting to first flower (52 vs 57 days) and flower petal color (dark pink (RHS 63D) vs light pink (RHS 56D)).				
9700085	Pacifica Deep Orchid	Y	09/30/1999	Waller Flowerseed Company
'Pacifica Deep Orchid' is most similar to 'Orchid Cooler'. 'Pacifica Deep Orchid' differs from 'Orchid Cooler' in petal color (medium dark orchid (RHS 74B) vs light orchid (RHS 73A)).				
9700087	Pacifica Pink	Y	09/30/1999	Waller Flowerseed Company
'Pacifica Pink' is most similar to 'Pink Cooler'. 'Pacifica Pink' differs from 'Pink Cooler' in petal color (medium pink (RHS 63B) vs light pink (RHS 66D)).				
9800182	Mediterranean Lilac	Y	09/30/1999	Waller Flowerseed Company
'Mediterranean Lilac' is most similar to 'Pacifica Lilac'. 'Mediterranean Lilac' differs from 'Pacifica Lilac' in plant habit (prostrate vs upright) and flower color (dark purple violet (RHS 80B) vs purple (RHS 78B)).				

WATERMELON

9300031	Jimmy	Y	07/30/1999	FreshWorld Farms, Inc.
'Jimmy' is most similar to 'Mickylee', from which inbred it was produced by colchicine-induced doubling of the ploidy level; thus, 'Jimmy' is tetraploid, whereas 'Mickylee' is diploid.				

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WATERMELON (continued)					
9300032	Lisa	Y		09/30/1999	FreshWorld Farms, Inc.
'Lisa' is most similar to 'Minilee', from which inbred it is derived by colchicine-induced doubling of the ploidy level; thus, 'Lisa' is tetraploid, whereas 'Minilee' is diploid.					
9900241	W-9809	Y		07/30/1999	Abbott & Cobb, Inc.
'W-9809' is an Allsweet-type; however, 'W-9809' has blocky fruit which are large in diameter, whereas Allsweet-types have long, narrow fruit. Also, 'W-9809' has uniformly black seeds, whereas 'Allsweet' has brown, mottled seeds. 'W-9809' is also similar to 'Calsweet'; however, 'Calsweet' was susceptible to rind necrosis (<i>Erwinia</i> spp.) in test plantings, whereas 'W-9809' was free of that disorder. Also, 'W-9809' is similar to 'Sunsugar'; however, 'W-9809' has a rated maturity of 85 days, whereas 'Sunsugar' has a rated maturity of 92 days. 'W-9809' has larger seeds, but smaller fruit, than 'W-9812' (52 vs 41 g/1000 seeds; 09 vs 11 kg fruit).					
WHEAT, COMMON					
9600261	Trenton	Y	(3)	07/30/1999	NDSU Research Foundation
'Trenton' is most similar to 'Stoa'; however, 'Trenton' is photoperiod insensitive (day-length neutral), whereas, 'Stoa' is photoperiod sensitive.					
9600359	522W	Y	(2)	07/30/1999	The University of Georgia Research Foundation, Inc.
'522W' is most similar to 'Caldwell'; however, '522W' is resistant to the leaf rust (<i>Puccinia recondita</i> f. sp. <i>tritici</i>) races TNMQ, MBRL, MG8L, TFGL, MCDL, and PMRL; whereas, 'Caldwell' is susceptible to these leaf rust races. In addition, '522W' is resistant to stem rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>) races RTOS, QF8S, and RK0S; whereas, 'Caldwell' is susceptible to these stem rust races.					
9600402	Terral TV8555	Y		07/30/1999	Terral Seed, Inc.
'Terral TV8555' is most similar to 'Saluda' and '8blueboy II'; however, 'Terral TV8555' possesses the leaf rust (<i>Puccinia recondita</i> f. sp. <i>tritici</i>) genes <i>Lr24</i> and <i>Lr26</i> and the stem rust (<i>Puccinia graminis</i> f. sp. <i>tritici</i>) genes <i>Sr17</i> and <i>Sr24</i> , whereas, 'Saluda' possesses different genes for leaf rust resistance (<i>Lr11</i>) and has no stem rust resistance genes. 'Terral TV8555' differs from '8blueboy II' in the presence of stem anthocyanin (present vs. absent, respectively). Also, 'Terral TV8555' differs in the presence of auricle hair (present vs. absent, respectively).					
9700007	Cayuga	Y	(2)	07/30/1999	Cornell Agricultural Experiment Station
'Cayuga' is most similar to 'Geneva'; however, 'Cayuga' has white chaff, whereas the chaff of 'Geneva' is bronze colored.					

WHEAT, COMMON (continued)

9700011	Oro Blanco	Y (3)	09/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Oro Blanco' is most similar to 'Rio Blanco'; however, 'Oro Blanco' has a recurved flag leaf; whereas the flag leaf of 'Rio Blanco' is erect. Additionally, 'Oro Blanco' has an apiculate shaped glume shoulder; whereas the glume shoulder shape of 'Rio Blanco' is oblique.				
9700012	Platte	Y (3)	07/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Platte' is most similar to 'Oro Blanco'; however, 'Platte' differs from 'Oro Blanco' in head color at milk stage (Royal Horticultural Society Colour Chart values 139C vs. 144C, respectively).				
9700119	Foster	Y (3)	07/30/1999	Kentucky Agricultural Experiment Station
'Foster' is most similar to 'FFR 555w'; however, the seeds of 'Foster' have a shallow crease and long brush, whereas the seeds of 'FFR 555w' have a deep crease and medium brush.				
9700263	Bradley	Y (3)	07/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Bradley' is most similar to 'Twain'; however, 'Bradley' differs from 'Twain' in glume size. 'Bradley' has narrow short glumes; whereas, the glumes of 'Twain' are midwide and medium in length.				
9700264	Shelby	Y (3)	07/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Shelby' is most similar to 'Cherokee'; however, 'Shelby' differs from 'Cherokee' in anther color (yellow vs. purple, respectively).				
9700319	Elkhorn	Y	07/30/1999	NDSU Research Foundation
'Elkhorn' is most similar to 'Norstar'; however, 'Elkhorn' differs from 'Norstar' in reaction to <u>Puccinia graminis</u> f. sp. <u>tritici</u> , the causal agent of stem rust (resistant vs. susceptible, respectively).				
9700378	Nora	Y (3)	07/30/1999	Jose Buck S.A.
'Nora' is most similar to 'Norlander'; however, 'Nora' differs from 'Norlander' in glume shoulder shape (oblique vs. square, respectively). Also, 'Nora' has a strap head shape; whereas, the head shape of 'Norlander' is tapering.				
9700379	81183	Y (3)	07/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'81183' is most similar to '8rule'; however, '81183' differs from 'Brule' in glume beak shape (acute vs. acuminate, respectively). Additionally, '81183' has a medium brush length; whereas, the brush length of 'Brule' is short.				

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CERTIFICATES ISSUED, AND DISTINCTNESS BASED ON APPLICANT'S CLAIM
JULY 1, 1999 TO SEPTEMBER 30, 1999

CERT. NO.	VARIETY	1994 ACT	CLASSES	ISSUE DATE	NAME OF OWNER
WHEAT, COMMON (continued)					
9700397	SOLOMON	Y		07/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Solomon' is most similar to 'Rio Blanco'; however, 'Solomon' differs from 'Rio Blanco' in shoulder shape (elevated vs. oblique, respectively). In addition, 'Solomon' does not exhibit auricle hairs; whereas 'Rio Blanco' does exhibit auricle hairs. Also, 'Solomon' has a recurved flag leaf at boot stage; whereas, the flag leaf at boot stage of 'Rio Blanco' is erect.					
9700398	WestBred 470	Y		09/30/1999	Western Plant Breeders
'WestBred 470' is most similar to 'Stephens'; however, 'WestBred 470' can be differentiated from 'Stephens' by the presence of auricle anthocyanin (present vs. absent, respectively).					
9800002	Windstar	Y	(3)	07/30/1999	Board of Regents, University of Nebraska
'Windstar' is most similar to 'Rawhide' and 'Siouxland'; however, 'Windstar' differs from 'Siouxland' in plant height (semi-dwarf vs. conventional height wheat, respectively). Also, 'Windstar' differs from 'Siouxland' in the presence of the <u>Sr26</u> gene for stem rust (<u>Puccinia graminis</u>) resistance (absent vs. present, respectively). 'Windstar' differs from 'Rawhide' in resistance to the Great Plains Biotype of Hessian Fly (<u>Mayetiola destructor</u> Say) (susceptible vs. resistant, respectively). In addition, 'Windstar' contains the gene <u>Sr6</u> for stem rust (<u>Puccinia graminis</u>) resistance; whereas, 'Rawhide' does not contain the <u>Sr6</u> gene.					
9800040	Fleming	Y	(2)	09/30/1999	University of Georgia Research Foundation, Inc. (UGARF) and University of Florida Agricultural Experiment Station (UFAES)
'Fleming' is most similar to 'Morey'; however, 'Fleming' has the Amigo translocation (1A/1R), whereas 'Morey' does not have this translocation.					
9800262	Hondo	Y	(3)	09/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Hondo' is most similar to 'Newton'; however, 'Hondo' differs from 'Newton' in peduncle shape (straight vs. wavy, respectively). Also, 'Hondo' has an oblique glume shoulder shape; whereas, the glume shoulder shape of 'Newton' is square.					
9800263	Marion	Y	(3)	07/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Marion' is most similar to '2548'; however, 'Marion' has a red coleoptile, whereas the coleoptile of '2548' is white. Additionally, 'Marion' has a twisted flag leaf at boot stage, whereas the flag leaf of '2548' is not twisted at boot stage.					

WHEAT, COMMON (continued)

9800264	Hagar	Y	(3)	07/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Hagar' is most similar to 'Verde'; however, 'Hagar' differs from 'Verde' in shoulder shape (square vs. elevated, respectively). In addition, 'Hagar' has hairs on the last rachis of the internode, whereas last rachis of the internode of 'Verde' is glabrous. Also, 'Hagar' differs from 'Verde' in stature of the flag leaf at boot stage (recurved vs. erect, respectively).					
9800265	Patton	Y	(3)	07/30/1999	HybriTech Seed International, A Unit of Monsanto Company
'Patton' is most similar to 'Sawyer'; however, 'Patton' has yellow anthers, whereas the anthers of 'Sawyer' are purple. Additionally, 'Patton' has a blue-green plant color (Royal Horticultural Society Colour Chart No. 122B) at boot stage, whereas the plant color at boot stage of 'Sawyer' is green (RHS Colour Chart No. 137B).					
9800370	Sharpshooter	Y		09/30/1999	Western Plant Breeders, Inc.
'Sharpshooter' is most similar to 'Sharp'; however, 'Sharpshooter' has a shorter glume beak length than 'Sharp'. Also 'Sharpshooter' is more tolerant to <u>Fusarium graminearum</u> (the causal organism for scab).					
9900262	25W60	Y		09/30/1999	Pioneer Hi-Bred International, Inc.
'25W60' is most similar to '25W33'; however, '25W60' differs from '25W33' in resistance to soilborne mosaic virus (resistant vs. susceptible, respectively). In addition, the head of '25W60' is mid-dense; whereas, '25W33' has a dense head.					
9900346	26R61	Y		09/30/1999	Pioneer Hi-Bred International, Inc.
'26R61' is most similar to '2580'; however, '26R61' has a recurved flag leaf; whereas the flag leaf of '2580' is erect. In addition, '26R61' is hairless on the last internode of the rachis; whereas, '2580' has hair on the last internode of the rachis.					
9900347	26R46	Y		09/30/1999	Pioneer Hi-Bred International, Inc.
'26R46' is most similar to '2580'; however, '26R46' has a red coleoptile; whereas the coleoptile of '2580' is white. In addition, '26R46' is hairless on the last internode of the rachis; whereas, '2580' has hair on the last internode of the rachis.					

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CERTIFICATES AMENDED
JULY 1, 1999 TO SEPTEMBER 30, 1999

The following certificates have been amended in accordance with sections 97.103, 97.122, and 97.130 of the Regulations and Rules of Practice under the Plant Variety Protection Act.

CERT. NO.	VARIETY	CLASSES	ISSUE DATE	NAME OF OWNER
BEAN, FIELD				
9700027	Enola	(2)	06/30/1999	POD - NERS, L.L.C.
Name of owner changed from Larry M Proctor to POD - NERS, L.L.C				
LETTUCE				
8400054	VAN SAL 210		08/31/1986	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				
8400060	Genecorp Green		08/31/1986	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				
8500003	Desert Queen		03/31/1988	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				
8500057	Buena Vista		06/30/1987	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				
8600035	Early Giant		05/31/1988	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				
8600055	Chieftain		09/30/1986	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				
8600144	Big Red		09/30/1987	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				
8600147	Maverick		01/15/1988	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				
8700002	Rainrod		07/31/1987	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.				

LETTUCE (continued)

8700179	Boston Rose	10/31/1988	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8700180	Scarlett Butter	09/30/1988	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8700208	Blazer	09/30/1988	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8800055	Greengo	05/31/1988	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8800131	King City	09/30/1988	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8800198	Genecorp Cos	09/30/1991	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8800199	Ideal Cos	09/30/1991	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8800200	Major Cos	09/30/1991	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8800201	Cos King	09/30/1991	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8900006	Honcho II	08/30/1991	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
8900023	Racy Red	10/31/1991	Seminis Vegetable Seeds, Inc.
Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			

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 < > Identifies temporary designations.

CERTIFICATES AMENDED
JULY 1, 1999 TO SEPTEMBER 30, 1999

CERT. NO.	VARIETY	CLASSES	ISSUE DATE	NAME OF OWNER
LETTUCE (continued)				
8900024	Genesys Green Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	10/31/1991	Seminis Vegetable Seeds, Inc.
8900025	Van 007X Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	10/31/1991	Seminis Vegetable Seeds, Inc.
8900027	Primavera Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	04/28/1989	Seminis Vegetable Seeds, Inc.
8900029	Atlas Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	06/30/1989	Seminis Vegetable Seeds, Inc.
8900030	Lettich Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	10/31/1991	Seminis Vegetable Seeds, Inc.
8900088	Champ Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	10/31/1991	Seminis Vegetable Seeds, Inc.
8900228	Yuppie Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	12/31/1991	Seminis Vegetable Seeds, Inc.
8900280	Maverick II Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	12/31/1991	Seminis Vegetable Seeds, Inc.
8900281	Raider Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	06/30/1992	Seminis Vegetable Seeds, Inc.
8900294	Prince Name of owner changed from Genecorp. Inc.	Inc. to Seminis Vegetable Seeds, Inc.	12/31/1991	Seminis Vegetable Seeds, Inc.

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CERTIFICATES AMENDED
JULY 1, 1999 TO SEPTEMBER 30, 1999

CERT. NO.	VARIETY	CLASSES	ISSUE DATE	NAME OF OWNER
LETTUCE (continued)				
8900299	Desert Spring		12/31/1991	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
9000094	Genecorp Boston		12/31/1991	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
9000198	Jazz		02/26/1993	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
9000257	Rambo		06/30/1992	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
9100082	Red Eye Cos		01/31/1992	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
9100243	Marvel		02/28/1992	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
9100246	Pro 917		09/30/1992	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
9100247	Basore 920		08/31/1992	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			
9300025	Spector		02/26/1993	Seminis Vegetable Seeds, Inc.
	Name of owner changed from Genecorp, Inc. to Seminis Vegetable Seeds, Inc.			

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< > Identifies temporary designations.

CERTIFICATES EXPIRED

JULY 1, 1999 TO SEPTEMBER 30, 1999

The term of protection has expired for the certificates listed below. The U.S. Plant Variety Protection Act no longer prohibits the unauthorized propagation of these varieties nor requires them to be sold by variety name only as a class of certified seed. However, varieties published in this list may possibly be protected under the Patent Act.

CERT. NO.	VARIETY	EXPIRATION DATE	NAME OF OWNER
ALFALFA 8000047	Hi-Phy	09/24/1999	FFR Cooperative
BEAN, GARDEN 8000120 8000138	Win Frenchy	07/30/1999 09/24/1999	Seminis Vegetable Seeds, Inc. Royal Sluis B.V.
BEAN, LIMA 8000094	Dompe 95	09/24/1999	Ben Fish and Son
BLUEGRASS, KENTUCKY 7900114 8000154 8100012	Argyle Eclipse Apart	08/27/1999 07/30/1999 07/30/1999	Heart Seed Company, Inc. New Jersey Agricultural Experiment Station Zelder B.V.
CAPER SPURGE 8100030	Chico	09/24/1999	Wilbur A. or Eva M. Henderson
COTTON 8000032 8100019 8100024	Cascot BR-1 Coker 3131 Rogers LG 102	07/30/1999 09/24/1999 09/24/1999	Custom Ag Service, Inc. Stoneville Pedigreed Seed Company, Inc. Rogers Delinted Cottonseed Company
FESCUE, MEADOW 7900091	Beaumont	08/27/1999	Michigan State University
MARIGOLD 8100046	Scarlet Sophia	08/27/1999	John Bodger and Sons Company

ONION				
8000161	Early Grand PRR	07/30/1999	Sunseeds Company	
PEA				
8000098	Alcan	08/27/1999	Novartis Seeds, Inc.	
PEANUT				
8000155	K-29	08/27/1999	James T. Keel	
SOYBEAN				
8000028	0877	09/24/1999	Pioneer Hi-Bred International, Inc.	
8100080	Hartz 936X	09/24/1999	Jacob Hartz Seed Company, Inc.	
8100082	A1937	09/24/1999	Asgrow Seed Company	
8100088	GT 1380	09/24/1999	Agripro Seeds, Inc.	
8100090	AP 71	09/24/1999	Novartis Seeds, Inc.	
8100096	DSR-120	08/27/1999	Dairyland Seed Company, Inc.	
8100106	HP 3700	09/24/1999	Agripro Seeds, Inc.	
8100113	PL 707743	09/24/1999	Soybean Research Foundation, Inc.	
8100115	SRF 350P	08/27/1999	Soybean Research Foundation, Inc.	
8100140	FFR 668	09/24/1999	FFR Cooperative	
SUNFLOWER				
8100025	IS 2168	07/30/1999	Interstate Seed Company	
8100026	IS 2501	07/30/1999	Interstate Seed Company	
8100027	IS 3401	07/30/1999	Interstate Seed Company	
8100028	IS 3795	08/27/1999	Interstate Seed Company	
VETCH, COMMON				
7900031	Cahaba White	09/24/1999	Auburn University Agricultural Experiment Station	
7900032	Vantage	09/24/1999	Auburn University Agricultural Experiment Station	
7900033	Nova II	09/24/1999	Auburn University Agricultural Experiment Station	
7900034	Vanguard	09/24/1999	Auburn University Agricultural Experiment Station	
WHEAT, COMMON				
7800007	S78	09/24/1999	Pioneer Hi-Bred International, Inc.	

GENERAL INFORMATION ON PLANT VARIETY PROTECTION

The Plant Variety Protection Act provides protection (plant breeders' rights) for sexually (i.e., seed) and tuber reproduced plants. The variety must be distinct from all other varieties, uniform, and stable. If the variety has been sold or used in the United States for more than one year or in a foreign country for longer than four years, then the variety is ineligible for protection. Use of the variety includes selling or disposing of reproductive or harvested material of the variety or use as a parent in a first generation hybrid.

Please submit your complete application (completed and signed application form, Exhibits A,B,C, & E, seeds, and fees) to our office before the period of eligibility expires. You may choose a representative to complete and receive all paperwork on your behalf. Current costs are given in the Regulations and Rules of Practice (Section 97.175) and on the application form.

To obtain copies of application forms, the Plant Variety Protection Act and its Regulations and Rules of Practice, please send a request including the crop type to: 10301 Baltimore Blvd., Room 500, Beltsville, MD 20705-2351.

Internet users now have access to the U.S. Department of Agriculture's Plant Variety Protection Act. The homepage provides up-to-date information on applications received by the Plant Variety Protection Office. To access the Plant Variety Protection homepage via the World Wide Web, point your browse server to:

<http://www.ams.usda.gov/science/pvp.htm>

PVP OFFICE STAFF

Commissioner: Dr. Ann Marie Thro

Examiners:

Alan A. Atchley	Small Grains, Fodder Grasses, Herbs, Tubers
Thomas A. Salt	Fiber Crops, Turf Grasses, Rice, Peanuts
Robert W. Schlegel	Beans, Peas, Lettuce, Sorghum, Tomatoes
Janice M. Strachan	Corn, Peppers, Flowers and Ornamentals
Jeffrey L. Strachan	Soybeans

Associate Plant Examiners:

Robin A. Davis
Mark A. Hermeling
James R. Mantooth
Joseph Pecora
Beretha Thornton

Plant Variety Protection Assistants:

Gwendolyn P. Adams
Lashawn L. Smith

Support Staff:

Cheryl D. Sultzer	Webmaster, Journal Preparation and Publications
Vacant	Secretary

Staff can be e-mailed by `firstname.lastname@usda.gov`.

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NAL Building, Room 600
10301 Baltimore Blvd.
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